

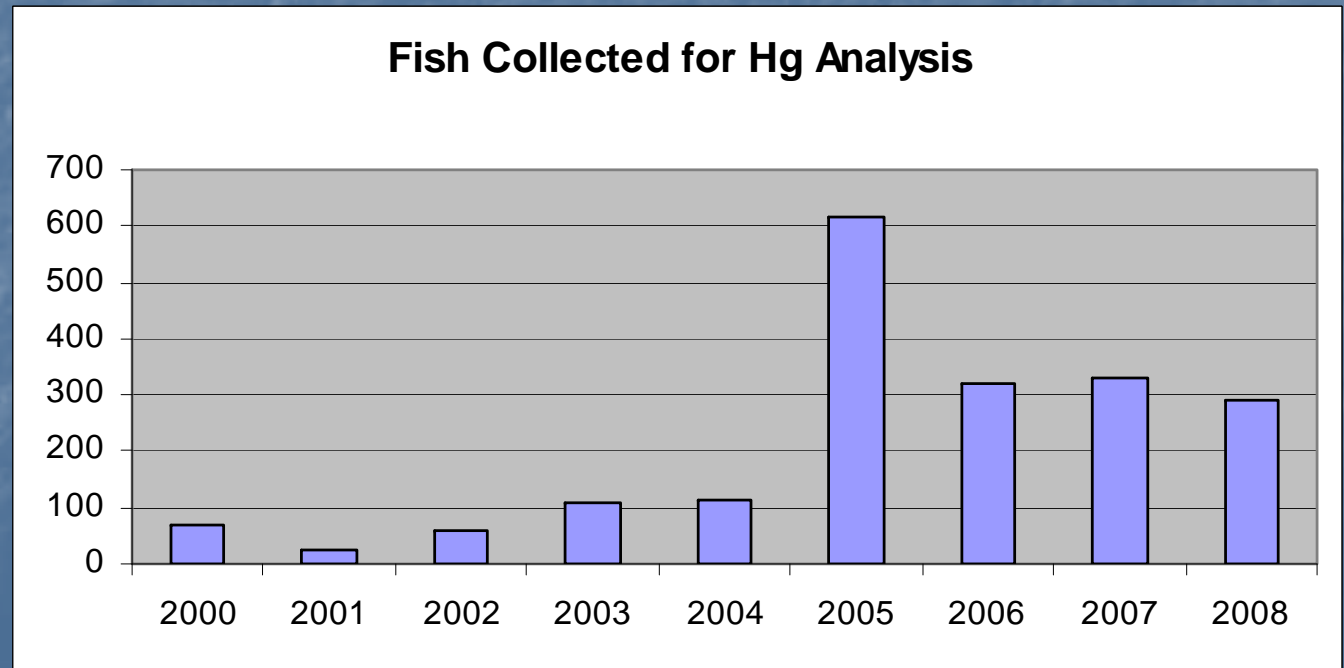
# Mercury Fish Stats for Utah

Total Number of Fish Analyzed (through 07)	1641
Number of Fish Above EPA 0.3 ppm	211
Number of Stream Sites sampled	192
Number of Lake Sites sampled	69

*13% of all fish analyzed*

*3.6% w/ advisories*

*10% w/ advisories*



# Utah Mercury Fish Advisories

Status	Waterbody	County Location	Fish Species (Size)	Pregnant Women & Children - 4 oz. meals/month	Adults 8 - oz. meals/month
Existing	Desolation Canyon	Carbon - Emery - Uintah	Catfish	One 4 oz. meal/month	Two 8 oz. meals/month
Existing	Gunlock Reservoir	Washington	Largemouth Bass	One 4 oz. meal/month	Two 8 oz. meals/month
Revised	Joe's Valley Reservoir	Emery	Splake Trout (12 inches & larger)	Do Not Eat	One 8 oz. meal/month
Existing	Jordanelle Reservoir	Wasatch	Brown Trout	One 4 oz. meal/month	Two 8 oz. meals/month
New	Jordanelle Reservoir	Wasatch	Small Mouth Bass	Do Not Eat	Two 8 oz. meals/month
Existing	Mill Creek	Grand	Brown Trout	One 4 oz. meal/month	Three 8 oz. meals/month
Revised	Newcastle Reservoir	Iron	Rainbow Trout	Do Not Eat	One 8 oz. meal/month
Revised	Upper Enterprise Reservoir	Washington	Rainbow Trout	Do Not Eat	One 8 oz. meal/month
Revised	Weber River near Morgan	Morgan	Brown Trout	Do Not Eat	Two 8 oz. meals/month
New	Porcupine Reservoir	Cache	Brown Trout	Do Not Eat	One 8 oz. meal/month
New	Sand Hollow Reservoir	Washington	Largemouth Bass	Do Not Eat	Two 8 oz. meals/month
New	Rock Creek (below Stillwater Res.)	Duchesne	Brown Trout (12 inches & larger)	Do Not Eat	Two 8 oz. meals/month
New	East Fork Sevier River (between Otter Creek and Piute Reservoirs)	Garfield	Brown Trout	Do Not Eat	Two 8 oz. meals/month
New	Pine Creek		Brown Trout	Do Not Eat	Two 8 oz. meals/month
Revised	Calf Creek	Garfield	Brown Trout	two 4 oz. meals/month	Two 8 oz. meals/month

# Summary Thoughts

- 14 advisory locations (6 Species)
  - 7 reservoirs -- 7 Streams
- 5 advisory sites were revisions
- 6 advisories were new locations
- 3 advisories were unchanged
- 2 advisories have size class designations



# Utah: Mercury Sampling Sites and Consumption Advisories

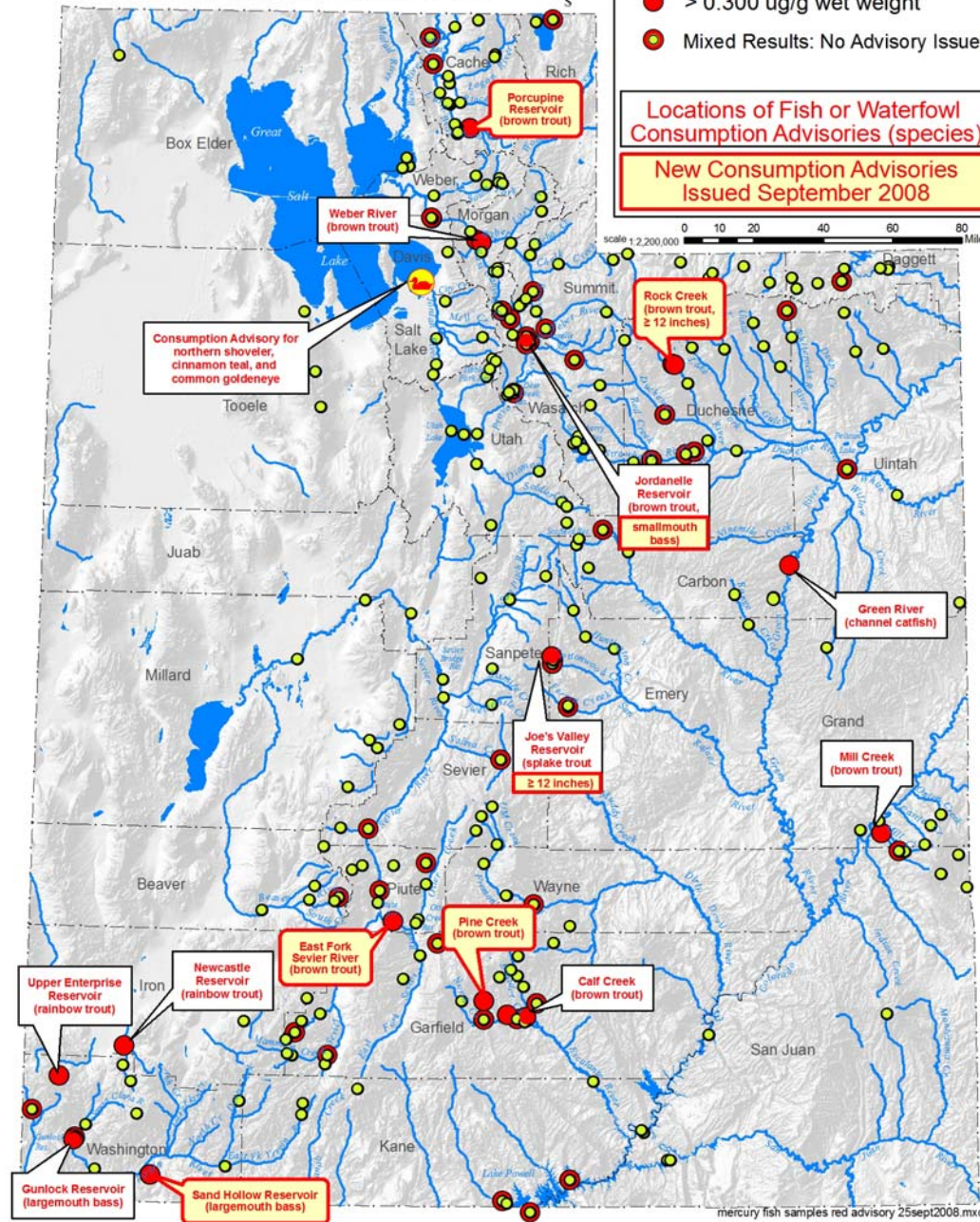


## Mercury Concentration

- < 0.300 ug/g wet weight
- > 0.300 ug/g wet weight
- Mixed Results: No Advisory Issued

Locations of Fish or Waterfowl Consumption Advisories (species)

New Consumption Advisories Issued September 2008



# Next Steps

- 2008 Lab analysis completed - March 31<sup>st</sup>
- Statistical Review - mid May
- Public Release of Results - mid June
- Lake Powell
  - Spring collections on Northern sites
  - EPA analysis fall 09
  - Statistics & Decisions end of 09





# 2009 Mercury Budget



Nada \$\$\$

Nothing!!

Zero Dollars

**Begging and Borrowing??**





# 2009 Fish Collection Plan

<u>STREAMS</u>	<u>RATIONALE</u>	<u>SPECIES</u>	<u>SAMPLE #</u>
Weber River	Bracket the 2006 advisory near Morgan; above & below	Brown Trout	20
Weber River near Devils Slide Area	Source identification for Morgan Advisory	Brown Trout	5
Straight Cyn Creek below Joes Valley	outflow from Joe's Valley Reservoir	Brown Trout	5
E. Fk Sevier River @ DWR Property 2.5 miles above gage	4949105 increase 2006 sample size	Brown Trout	5

<u>RESERVOIRS</u>	<u>RATIONALE</u>	<u>SPECIES</u>	<u>SAMPLE #</u>
Baker Dam Reservoir	did not sample in 2007	Brown Trout	10
Lake Powell	Upper Lake		
	Good Hope Bay	Striped Bass	34
	White Canyon	Striped Bass	33
	Hite Marina	Striped Bass	33
Echo Reservoir	Popular fisheries near the Wasatch	Rainbow	10
		Yellow Perch	10
Rockport Reservoir	Popular fisheries near the Wasatch	Rainbow	10
Mirror Lake	high use lake in the Uintas, check with Kamas Hatchery to see if this lake experiences winter kill	Rainbow Trout	10
Tropic Reservoir	lack of data for drainage, popular fishery for area. Is there carryover?	Rainbow Trout	10
Big Sand Wash	popular fishery for the Vernal area	Rainbow Trout	10
Woodruff Reservoir	no data collected to date	Cutthroat	10

<u>Follow-up SITES;</u>	Some Hg hits; no advisory issued	<u>SPECIES</u>	<u>SAMPLE #</u>
Deer Creek Reservoir @ Wallsburg Bay midway up channel, North Shore	5913447, 2006 3 of 5 walleye high	Walleye	10
Duchesne River below U208 xing	4936743, 2006 4 of 5 browns high	Brown Trout	5
E Canyon Creek above E Canyon Creek WWTP	4925260, 2006, 3 of 5 browns high	Brown Trout	5
Kens Lake 001 above dam	5958500, 2005, 2 of 7 Largemouth high, 3 others close	Rainbow Trout	10
McLeod Creek @ Swaner Nature Preserve	4925442, 2006, 2 of 5 browns high	Brown Trout	5
Red Creek above confluence w/ Strawberry Riv.	4936171, 2005, 3 of 5 browns high	Brown Trout	10



<b><u>BLUE RIBBON FISHERY</u></b>			
<b><u>SITES</u></b>	<b><u>RATIONALE</u></b>	<b><u>SPECIES</u></b>	<b><u>SAMPLE #</u></b>
Manning Meadow Reservoir	no data collected to date	Cutthroat	10
Mantua Reservoir	no data collected to date	Rainbow Trout	10
Quail Creek Reservoir	no data collected to date	Largemouth Bass	10
Currant Creek (ab hwy 40)	popular fishery	Brown Trout	5
Huntington Creek (within Manti USFS)	popular fishery	Brown Trout	5
Provo River (below Deer Creek)	popular fishery	Brown Trout	5
Provo River above US 40	popular fishery	Brown Trout	5
Provo River above Deer Creek Reservoir	popular fishery	Brown Trout	5

<u>Regional Target Areas</u>	<u>RATIONALE</u>	<u>SPECIES</u>	<u>SAMPLE #</u>
<b>Boulder Mountain Top</b>	<b>No data for region</b>	<b>Most dominant</b>	<b>5</b>
<b>High Uinta Mountain Lakes</b>	<b>No data for region</b>	<b>Most dominant</b>	<b>5</b>
<b>Abajo Mountains</b>	<b>No data for region</b>	<b>Most dominant</b>	<b>5</b>
<b>Urban Ponds?</b>	<b>Popular fishery</b>	<b>Most dominant</b>	<b>5</b>